



Push-On SMP Female Right Angle to SMA Female Bulkhead Low Loss Cable Using LMR-100 Coax with HeatShrink

TECHNICAL DATA SHEET

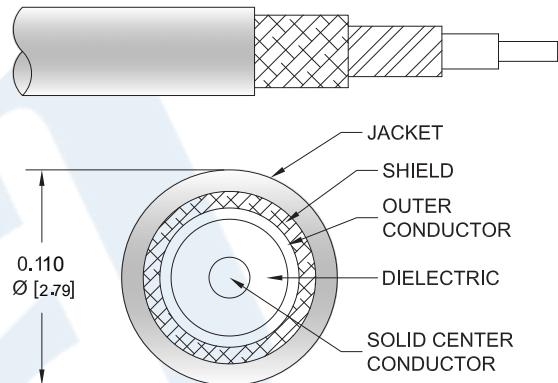
PE3W08217/HS

Configuration

- Connector 1: Push-OnSMP Female Right Angle
- Connector 2: SMA Female Bulkhead
- Cable Type: LMR-100A
- Coax Flex Type: Flexible

Features

- Shielding Effectivity > 90 dB
- 66% Phase Velocity
- Double Shielded
- PVC Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W08217/HS SMP female push-on right angle to SMA female bulkhead cable using LMR-100 coax is part of our full line of RF components available for same-day shipping. Pasternack's flexible RF cable assemblies are ideal for applications where tight bends and flexure are required. This Pasternack SMP to SMA cable assembly has a female to female gender configuration with 50 ohm flexible LMR-100A coax. The right angle SMP interface on the LMR-100A cable allows for easier connections in tight spaces. Our RF cable assembly with SMA bulkhead interface allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness of better than 90 dB.

Custom versions of most RF cable assemblies can be built and shipped same day. Custom cable assembly lengths can be obtained by specifying the desired length on the web site at time of order or by contacting a sales representative. Other available RF cable assembly value added services include connector orientation or clocking, heat shrink booting and custom labeling. RF testing can also be performed to document the electrical performance of your cable assembly.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Push-On SMP Female Right Angle to SMA Female Bulkhead Low Loss Cable Using LMR-100 Coax with HeatShrink PE3W08217/HS](#)



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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Velocity of Propagation		66		%
RF Shielding	90			dB
Group Delay		1.54 [5.05]		ns/ft [ns/m]
Capacitance		30.8 [101.05]		pF/ft [pF/m]
Inductance		0.077 [0.25]		uH/ft [uH/m]
DC Resistance Inner Conductor		81 [265.75]		Ω/1000ft [Ω/Km]
DC Resistance Outer Conductor		9.5 [31.17]		Ω/1000ft [Ω/Km]
Jacket Spark			2,000	Vrms

Mechanical Specifications

Cable Assembly

Weight	0.025 lbs [11.34 g]
Cable	
Cable Type	LMR-100A
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper Clad Steel
Dielectric Type	PE
Number of Shields	2
Shield Layer 1	Aluminum Tape
Shield Layer 2	Tinned Copper Braid
Jacket Material	PVC, Black
Jacket Diameter	0.11 in [2.79 mm]
One Time Minimum Bend Radius	0.25 in [6.35 mm]
Repeated Minimum Bend Radius	1 in [25.4 mm]
Bending Moment	0.1 lbs-ft [0.14 N-m]
Flat Plate Crush	10 lbs/in [0.18 Kg/mm]
Tensile Strength	15 lbs [6.8 Kg]

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Connectors

Description	Connector 1	Connector 2
Type	SMP Female Right Angle Threaded	SMA Female Bulkhead Threaded
Specification	MIL-STD-348A	
Impedance	50 Ohms	50 Ohms
Connection Method	Push-On	
Contact Material and Plating	Beryllium Copper, Gold	
Contact Plating Specification	30 μ in. minimum	
Dielectric Type	Teflon	
Outer Conductor Material and Plating	Beryllium Copper, Gold	
Outer Conductor Plating Specification	3 μ in. minimum	
Body Material and Plating	Brass, Gold	Brass, Nickel
Body Plating Specification	3 μ in. minimum	

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

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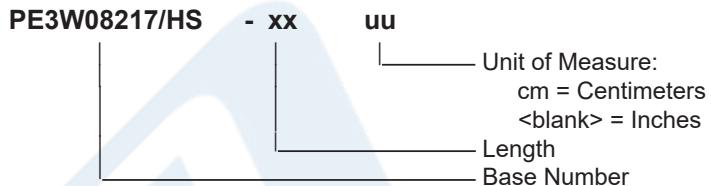
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How to Order

Part Number Configuration:



Example: PE3W08217/HS-12 = 12 inches long cable
PE3W08217/HS-100cm = 100 cm long cable

Push-On SMP Female Right Angle to SMA Female Bulkhead Low Loss Cable Using LMR-100 Coax with HeatShrink from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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URL: <https://www.pasternack.com/push-on-smp-female-right-angle-to-sma-female-bulkhead-low-loss-cable-using-lmr-100-with-heatshrink-pe3w08217-hs-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

PE3W08217/HS CAD Drawing

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